

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/003107

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E21B17/01 B63B21/50 B63B21/66

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B B63B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 192 015 A (SECR DEFENCE) 31 December 1987 (1987-12-31) page 1, line 105 - line 107; figures 3a,3b	1-8,15
Y	page 1, line 124 - page 2, line 1 figures 3A,3B	3-7, 9-14,16, 17
X	US 6 517 289 B1 (KNUTSON RICHARD K ET AL) 11 February 2003 (2003-02-11)	1,2
Y	figures 1,2	9
Y	US 2002/134553 A1 (WOODROW TIMOTHY JOHN) 26 September 2002 (2002-09-26) page 4, paragraph 73; figure 6 page 5, paragraph 76 page 5, paragraph 81; figure 8 page 1, paragraph 7	3-7,16, 17
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

28 September 2004

Date of mailing of the international search report

07/10/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 078 605 A (JONES MARVIN R) 14 March 1978 (1978-03-14) column 3, lines 45-51; figure 1 -----	10-14

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2192015	A	31-12-1987	NONE	
US 6517289	B1	11-02-2003	NONE	
US 2002134553	A1	26-09-2002	AU 7537998 A	11-12-1998
			DE 69810766 D1	20-02-2003
			DE 69810766 T2	13-11-2003
			EP 1310630 A1	14-05-2003
			EP 0983419 A2	08-03-2000
			ES 2202857 T3	01-04-2004
			WO 9853176 A2	26-11-1998
			NO 995737 A	18-01-2000
			US 6401825 B1	11-06-2002
US 4078605	A	14-03-1978	NONE	